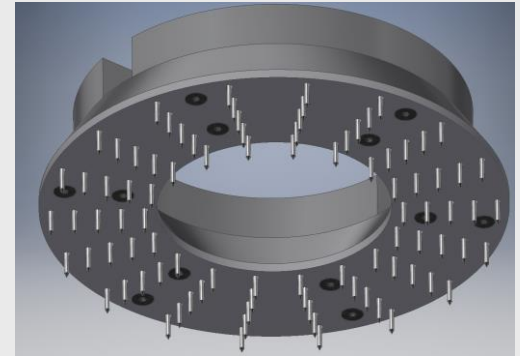




The interest in topics like **recycling**, **biomass** or **fibre-reinforced materials** increases strongly. New processes and materials are attended with the upcoming questions of **reliable storing**, **conveying** and **dosing** devices. While conventional shear tests work well for a lot of particles, elongated particles lead to varying results depending on different factors such as filling.

Thus, this experimental work deals with the investigation of the impact of both the **test parameters** (e.g. shear speed, geometry) and **particle properties** on the results. Furthermore, a new **developed shear lid** shall be tested regarding its applicability. The adaptable shear lid will be investigated regarding the optimum geometry of the vanes in relation to the particle size



Possible location of the vanes  
(„nails“) of the shear lid

**Note:**

Suitable for **Studienarbeit**, **bachelor** and **master theses** for students of the department of mechanical engineering

**Start:**

acc. to prior agreement

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